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MONTANA OIL AND GAS
STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XIX, No. 8 **AUGUST, 1971**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August, 1971 averaged 93,316 barrels daily, an increase of 119 barrels from the average July, 1971 production of 93,197.

The nine refineries in the state processed 137,128 barrels of crude oil daily for the month of August, 1971, a decrease of 1,550 barrels from the 138,678 barrels processed daily during the month of July, 1971.

During August, 53 wells were completed, 13 oil, 8 gas and 32 dry holes.

During August the commission issued 49 permits to drill new wells, no increase from the 49 permits issued during July.

SUMMARY OF CRUDE PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF AUGUST, 1971

IN STORAGE AUGUST 1st	
By Producers	293,971
By Transporters	1,348,963
By Refiners	944,105
TOTAL STORAGE	2,587,039
Produced in Montana During Month	2,892,809
Imported During Month	3,452,819
TOTAL	8,932,667
DISPOSITION:	
Refined in Montana	4,250,975
Exported	2,247,593
Used for Fuel or Lost	8,045
TOTAL	6,506,613
IN STORAGE AUGUST 31st	
By Producers	294,799
By Transporters	1,282,087
By Refiners	849,168
TOTAL STORAGE	2,426,054

NATURAL GAS WITHDRAWALS IN MONTANA
Month of August, 1971

Field	M. Cu. Ft.
Bell Creek	199,350
Big Coulee	41,553
Blackjack	48,797
Bowdoin	49,427
Bowes	19,887
Cabin Creek	96,109
Cedar Creek	93,877
Cut Bank (including Reagan)	902,458
Dry Creek	13,621
Elk Basin	95,260
Flat Coulee	6,918
Gold Butte	3,181
Grandview	9,205
Hardin	2,895
Keith Block	88,849
Kevin Sunburst	14,011
Lake Basin	22,267
Middle Butte	1,968
Mt. Lilly	610
Pine	49,668
Plevna	4,501
Tiger Ridge—Squaw Coulee	86,929
Trail Creek	— 0 —
Utopia	— 0 —
Whitlash	124,776
Miscellaneous	190,711
TOTAL	2,166,828

Total Withdrawals for August, 1970 were 2,180,355.

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PRODUCERS REPORT — MONTH OF AUGUST, 1971

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By: Pipeline	Oil Shipped By: Truck	Loss or Gain	Storage End of Month
3	Ash Creek	3	175	1,861		1,871		165
1	Bainville	1	3,064	3,736		4,930		1,870
3	Bannatyne	3	266	604		604	266	
	Bascom		165					165
4	Bear's Den	5	1,851	872		200		2,523
45	Bell Creek	330	31,924	482,983	481,491		514	32,902
	Benrud		49					49
2	Benrud East	2	737	12,455	11,588			1,604
1	Benrud Northeast	1	773	2,607	2,851			529
1	Berthelote	1	183	262				445
6	Big Wall	20	1,287	7,351	6,700			1,938
5	Blackfoot	6	1,282	2,640	2,566			1,356
5	Border	6	2,766	777		747		2,796
1	Bowes	50	2,300	11,749	11,958			2,091
1	Bradley	1	329	599	613			315
1	Brady	1	120	194	194		120	
4	Brorson-Madison	4	1,034	4,264		4,037		1,261
6	Brorson-Red River	6	4,716	13,918		14,376		4,258
3	Brorson-Red River South	3	1,990	9,516		9,937		1,569
7	Brush Lake	7	2,467	41,324	42,532			1,259
2	Cabin Creek	92		288,935	288,935			
1	Canal	1	661	9,853		9,495		1,019
12	Cat Creek	60	2,661	15,841	14,841	916		2,745
1	Clark's Fork	1	147	128		189		86
1	Clark's Fork South	1	96	555	598			53
3	Conrad South	3	100	1,006	1,006			100
2	Cow Creek	2	370	1,774		1,974		170
1	Culbertson	1	671	1,414		1,809		276
2	Cupton	2	1,787	2,470		2,596		1,661
138	Cut Bank	887	50,908	466,169	466,764	680	1,136	48,497
	Dean Dome		65					65
1	Deer Creek	1	497	1,316	1,270			543
1	Delphia	1	259	335		199		395
4	Devil's Basin	6	627	877	363			1,141
2	Dwyer	14	2,752	23,069	21,986			3,835
3	Elk Basin	51	783	147,153	147,117			819
5	Elk Basin Northwest	9	8,293	7,316	13,659			1,950
5	Fairview	9	7,568	37,128	7,584	27,078		10,034
2	Fertile Prairie	2	473	1,426		1,312		587
9	Flat Coulee	27	3,899	7,803	7,067			4,635
39	Flat Lake	53	4,584	48,439	48,226			4,797
6	Flat Lake South	6	1,007	10,061	9,871			1,197
1	Fort Gilbert	2	1,433	15,097	15,509			1,021
1	Frannie	1		2,635	2,635			
9	Fred & George Creek	30	3,078	29,034	29,113			2,999
1	Gage	1	108	188		196		100
3	Gas City	17	5,561	24,766	19,185	4,242		6,900
2	Girard	2	1,109	4,102		4,097		1,114
11	Glendive	15	2,094	25,817	24,951			2,960
28	Goose Lake	34	5,684	37,165	38,042			4,807
9	Graben Coulee	17	3,642	3,719	1,443	2,235		3,683
2	Gypsy Basin	2	944	387	387			944
1	Hay Creek-Mission Canyon	1	54	1,483	1,421			116
2	Hay Creek-Red River	2	440	13,353	12,750			1,043
5	Hiawatha	5	3,284	7,572	8,066			2,790
1	Hibbard	1	636	410		204		842
1	Injun Creek	1	706	366		411		661
6	Ivanhoe	2	2,455	5,575	5,638			2,392
4	Jim Coulee	4	1,920	9,281	10,105			1,096
4	Keg Coulee	18	3,800	12,756	12,974			3,582
2	Keg Coulee North	2	834	573	923			484
1	Kelley	5	458	4,938	4,734			662
80	Kevin Sunburst	422	6,237	25,957	22,547	3,190	119	6,338
8	Laird Creek	10	670	3,508		3,651	9	518
3	Leary	3	1,434	5,078		5,019	130	1,363
1	Little Beaver	23		36,742	36,742			
2	Little Beaver East *	12	2,019	13,018	13,036			2,001
1	Little Wall Creek	1	1,113	3,651	4,362			402
1	Lodge Grass	1	258	966		917		307
2	Lonetree Creek	2	1,570	30,389		30,811		1,148
3	Lookout Butte (Coral Creek)	30	638	66,033	65,800			901
2	Mason Lke	2	401	699	691			409
2	Melstone	3	676	1,988	1,944			720
1	Mineral Bench	1	340	500	500			340
1	Miner's Coulee	1	107	506		506		107
11	Monarch	14	4,201	17,624	13,355	3,744		4,726
3	Mosser	3		569		569		
1	Otis Creek	1	506	4,505		4,609		402
6	Outlook	8	5,557	22,279	21,727			6,109
1	Outlook South	1	979	1,105	884			1,200
2	Outlook West	2	1,569	2,316	2,328			1,557
1	Pennel-Lookout Butte	112		145,796	145,796			
4	Pine	114	17,432	256,401	256,753			17,080
52	Pondera	251	5,628	22,341	23,187			4,782
8	Poplar	63	7,748	53,326	50,891			10,183
3	Poplar Northwest	3	912	1,459	450			1,921
1	Prairie Elk	1	1,125	410				1,535
3	Pritchard Creek	3	167	1,041	1,041			167
4	Ragged Point	12	2,432	5,476	4,818			3,090
2	Rattlesnake Coulee	2	377	484				861
2	Reagan	43	500	18,371	18,488			383
1	Red Creek	21		16,408	16,408			
1	Red Fox	1	248	384	435			197
1	Redstone	1	327	2,248	2,243			332
1	Repeat	1	236	1,784		1,960		60
4	Reserve	5		9,228	9,228			
1	Richey	1	322	798	852			268
1	Richey Southwest	6	594	3,622	3,696			520
	Rough Creek		266					266
1	Rush Mountain	1	353	2,860	2,954			259
2	Salt Lake	2	484	3,489		3,741		232
5	Sand Creek	8	3,609	5,262	5,804		771	2,296
	Shotgun Creek		248					248
1	Snyder	4	263	888		783		368
7	Soap Creek	16	1,865	5,194		4,806		2,253
1	Spring Lake	2	1,527	2,470		2,042		1,955
1	Stensvad	6	1,844	30,874	30,382			2,336
11	Sumatra	71	5,461	64,797	66,011			4,247
5	Tule Creek	6	1,926	28,114		27,148		2,892
2	Tule Creek East	2	440	8,469		8,542		367
2	Tule Creek South	3	1,933	3,209		4,020	31	1,091
2	Vida	2	265	774		201		838
3	Volt	4	2,197	11,626	11,597			2,226
2	Weed Creek	3	432	2,553	2,427		4	554
3	Weldon	6	845	14,805	14,903			747
1	West Butte	1		2,445		2,445		
18	Whitlash	42	6,877	11,329	9,810			8,396
1	Whitlash West	1	422	194				616
4	Willow Creek North	4	662	3,689	3,270			1,081
2	Wills Creek South	2		3,730	3,730			
6	Wolf Springs	9	3,250	4,400	5,119			2,531
2	Woodrow	2	365	1,642	1,846			161
5	Wright Creek	5	1,954	2,591	2,039			2,506
	Wildcat, Blaine Cty		157					157
	Wildcat, Carbon Cty		310					310
1	Wildcat, Daniels Cty	1	396	1,315		1,300		411
4	Wildcat, Fallon Cty	4	1,768	10,000		10,000		1,768
2	Wildcat, Glacier Cty	5	957	942	260			1,639
1	Wildcat, Liberty Cty	1	517	58		202		373
3	Wildcat, Richland Cty	3	1,369	12,904		13,405	18	850
1	Wildcat, Roosevelt Cty	1	760	4,742		4,500		1,002
1	Wildcat, Toole Cty	1		407	407			
754	Total	3,240	293,971	2,892,809	2,656,417	232,446	3,118	294,799

Total Oil Produced & Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year 1970	37,878,697	103,777	37,825,275	103,705
First Quarter, 1971	8,927,663	99,196	8,923,130	99,146
Second Quarter, 1971	8,684,548	95,435	8,715,304	95,773
July,1971	2,889,099	93,197	2,892,873	93,318
August, 1971	2,892,809	93,316	2,888,863	93,189

Oil In Storage	In Producers Field Tanks	In Transporters Storgae	In Refiners Storage ‡	Total Oil in Storage ‡
December, 1970	336,076	1,501,692	1,002,035	2,839,803
March, 1971	334,585	1,128,200	766,138	2,228,923
June, 1971	300,381	1,375,187	1,097,959	2,773,527
July, 1971	293,971	1,348,963	944,105	2,587,039
August, 1971	294,799	1,282,087	849,168	2,426,054

* Montana Oil Only ‡ Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF AUGUST, 1971

	Storage First of Month	Oil Received By			Loss or (Gain)	Oil Shipped To			Storge End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—									
Western Crude Oil, Inc.			1,871				1,871		
BAINVILLE—									
Rock Island Oil & Ref. Co.			4,930				4,930		
BEAR'S DEN—Truck			200				200		
BELL CREEK—Pipeline	89,483	481,491					276,595	237,446	56,933
BIG WALL—									
Continental Pipeline Co.		6,700				6,700			
BLACKFOOT—									
Camerland Cardinal Corp.		2,560						2,560	
BORDER—Permian Corp.			747					747	
BOWES—Texaco Inc.		11,958				11,958			
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			28,350					28,350	
BRUSH LAKE—									
Portal Pipeline Co.		42,487					42,487		
CABIN CREEK & OTHERS*—									
Butte Pipeline Co.	381,051	696,848	46,684	723,210			1,440,553		407,240
Shell Pipeline Co.	2,700	289,173			579			289,053	2,241
	383,751	986,021	46,684	723,210	579		1,440,553	289,053	409,481
CANAL—									
Rock Island Oil & Ref. Co.			9,495				9,495		
CAT CREEK—									
Continental Pipeline Co.		14,841	916			15,757			
Truck									
CLARK'S FORK AND CLARK'S FORK SOUTH—									
Permian Corp.			189				189		
COW CREEK—									
Western Crude Oil, Inc.			1,974				1,974		
CULBERTSON—									
Spruce Oil Co.			1,809				1,809		
CUT BANK—									
Continental Pipeline Co.			11,493	483,831				495,324	
Phillips Petroleum Co.	42,146	188,455		9,889	2,554	159,313		37,314	41,309
Texas Pipeline Co.	17,722	50,944		84,404	472			128,071	24,527
Union Oil Co.	60,092	60,186			1,002	77,768			41,508
Western Oil Trans. Co.		66,615						66,615	
Western Oil Trans. Co. (Moulton)		104,196						104,196	
	119,960	470,396	11,493	578,124	4,028	237,081		831,520	107,344
DELPHIA—Truck			199			199			
DWYER—Portal Pipeline Co.		21,986					21,986		
ELK BASIN & ELK BASIN NORTHWEST—Marathon Pipeline		153,880				153,880			
FAIRVIEW—									
Fairview Pipeline Co.		7,584					7,584		
Rock Island Oil & Ref. Co.			27,078				27,078		
		7,584	27,078				34,662		
FLAT COULEE—									
Camerland Cardinal Corp.		6,519				6,519			
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		53,243					53,243		
FT. GILBERT—									
Fairview Pipeline Co.		15,510					15,510		
FRANNIE—Interstate Pipeline Co.		2,635					2,635		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	15,215	31,962				33,635		1,794	11,748
GAGE—Truck			196			196			
GIRARD—									
Rock Island Oil & Ref. Co.			4,097				4,097		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	6,542	25,486			111			27,289	4,628
GOOSE LAKE—									
Portal Pipeline Co.		34,316					34,316		
HAY CREEK—									
Fairview Pipeline Co.		14,170					14,170		
HIAWATHA—									
Continental Pipeline Co.		8,067					8,067		
HIBBARD—Truck			204			204			
INJUN CREEK—Permian Corp.			411				411		
IVANHOE—									
Continental Pipeline Co.		5,639				5,213	426		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		14,146				14,146			
KELLEY—									
Continental Oil Co.		4,734				4,734			
KEVIN SUNBURST—									
Big West Oil Co.	7,536	14,500				14,500			7,536
Homestake Oil & Gas Co.	3,976	2,390				3,943			2,423
Texas Pipeline Co.	6,486	9,486		3,915	202			13,316	6,369
	17,998	26,376		3,915	202	18,443		13,316	16,328
LEARY—Permian Corp.			5,019				5,019		
LODGE GRASS—Permian Corp.			917			917			
MASON LAKE—									
Continental Pipeline Co.		691				691			
MELSTONE—									
Continental Oil Co.		1,944				1,944			
MIDDLE WALL**—		17,740						17,740	
MOSSER—Permian Corp.			569				569		
OTIS CREEK—									
Western Crude Oil, Inc			4,609				4,609		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		24,939					24,939		
PONDERA—									
Phillips Petroleum Co.	28,169	24,495			362	22,650			29,652
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	19,532	73,811			(103)			83,073 ‡	10,373
RAGGED POINT—									
Continental Pipeline Co		4,818				4,323	495		
RED CREEK—									
Western Oil Transportation Co		16,408						16,408	
RESERVE Portal Pipeline Co		8,860					8,860		
RUSH MOUNTAIN—									
Sinclair Refining Co		2,954					2,954		
SALT LAKE—									
Rock Island Oil & Ref Co.			3,741				3,741		
SNYDER—Permian Corp.			783			783			
SOAP CREEK—Permian Corp			4,806				4,806		
SPRING LAKE—									
Rock Island Oil & Ref Co.			2,042				2,042		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	664,071	95,297		2,235,560	(711)	83,191		2,280,362	632,086
TULE CREEK—									
Spruce Oil Co.	4,242		36,925			37,653			3,514
Permian Corp			2,785			2,785			
	4,242		39,710			40,438			3,514
WEED CREEK & WOLF SPRINGS									
Continental Pipeline Co.		7,235				7,235			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp		10,689				9,889		800	
WILDCAT WELLS—Truck			29,407				29,407		
TOTAL	1,348,963	2,732,588	232,446	3,540,809	4,468	680,726	2,057,067	3,830,458	1,282,087

* Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Richey, Richey Southwest, Vida, Weldon and Wills Creek South
** Jim Coulee, Little Wall Creek and Willow Creek North
‡ Transferred to Butte Pipeline Company

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF AUGUST, 1971

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Spruce Oil Co.	Westco Refg. Co.	Total
Big Wall		6,700								6,700
Cat Creek		2,293		16,518		1,137				19,948
Cut Bank	45,500						151,425		136,316	333,241
Delphia						285				285
Elk Basin		57,825		49,733	46,322					153,880
Flat Coulee									6,519	6,519
Fred & George Creek	33,635									33,635
Gage & Gage Southwest						48				48
Hibbard						325				325
Ivanhoe		5,214								5,214
Keg Coulee		3,087		11,059						14,146
Kelley					4,734					4,734
Kevin Sunburst	18,443									18,443
Lodge Grass		917								917
Mason Lake		691								691
Melstone				1,944						1,944
Pondera							21,244			21,244
Ragged Point				4,323						4,323
Snyder		783								783
Sumatra & Stensvad		16,223		36,587	30,381					83,191
Tule Creek								70,510		70,510
Weed Creek					2,427					2,427
Whitlash							9,889			9,889
Wolf Springs					5,119					5,119
Total Montana Oil	97,578	93,733		120,164	88,983	1,795	182,558	70,510	142,845	798,156
Canadian Oil Imported		495,675		506,233	255,511					1,257,419
Wyoming Oil Imported		765,402		380,324	1,049,674					2,195,400
Total Montana, Canadian and Wyoming Oil	97,578	1,354,810		1,006,721	1,394,168	1,795	182,558	70,510	142,835	4,250,975

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1970	24,878	25,744	65,351	115,973
August, 1970	22,651	27,265	79,128	129,044
August, 1971	25,747	40,562	70,819	137,128

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
21.45%	22.20%	56.35%
17.55%	21.13%	61.32%
18.78%	29.58%	51.64%